

A New *Euceros*.

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EUCEROS Gravenhorst (**EUMESIUS** Westwood).

TABLE FOR DETERMINATION OF SPECIES.

- Posterior tibiae black or dusky, yellow at base.
- Coxae, femora and abdomen rufous **frigidus** Cress.
- Coxae black to yellow.
- Abdomen, except basal segment, rufous **couperii** Cress.
- Abdomen black, with apical half of all the segments yellow, stigma black; scutellum at base and most of hind coxae yellow.
- obesa** Davis.
- Abdomen varied; stigma rufous.
- Black and yellow and always with a more or less distinct median longitudinal yellow stripe; hind coxae and scutellum at base mostly black **canadensis** Cress.
- Brown, almost black along margin; yellowish stripe on segments 1-4 not distinct **vierecki** n. sp.
- Posterior tibiae rufous, sometimes yellow at base.
- Hind tarsi rufous, with median segments yellow; wing very dark at apex **sanguineus** Davis.
- Hind tarsi unicolorous, wings faintly dusky at apex.
- Sternum lemon yellow.
- Notum black and yellow **thoracicus** Cress.
- Notum and abdomen dark rufous **facicus** Davis.
- Sternum color of the remainder of thorax.
- Abdomen fulvous, with more or less distinct, transverse yellow spots; thoracic vittae yellow **medialis** Cress.
- Abdomen and thorax uniform bleached fulvous . **flavescens** Cress.

Euceros vierecki n. sp.

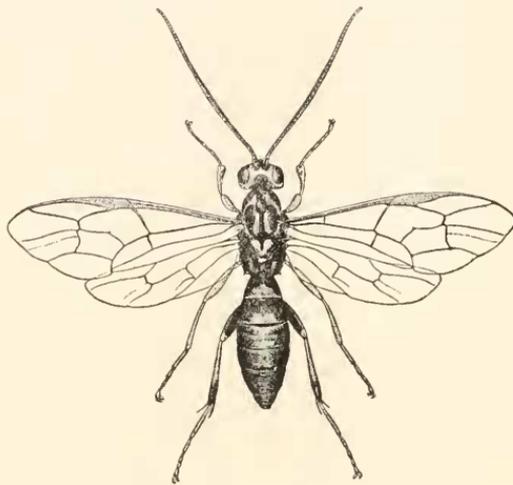
♂ differs from *Euceros canadensis* Cress., as described on page 254 Trans. Am. Ent. Soc. XXIV, by Mr. G. C. Davis, in having the hind coxae uniformly black underneath and inner portion as well as above; sternum black; pleura black with distinct yellow markings; antennae black, fulvous at apex and are only slightly enlarged in middle; median yellowish stripe on segments 1-4 not distinct; there are no black cross bands on the abdomen. The general color of the abdomen is brown, almost black along the margin and yellowish median stripe. Length, 10 mm.; wing, 9 mm.

Type Locality.—Harrisburg, Pa., June 13, 1908 (P. H. Hertzog).

Type will be deposited in the collection of the American Entomological Society, Philadelphia, Pa.

In running the specimen over the table prepared by Mr. Davis in reference quoted above, it readily traces as far as *E. canadensis* Cress. In the description of *canadensis* there are many characters in common to *vierecki*. But the differences pointed out in the comparative description are decidedly too marked to pass under the same species. The table or key in this paper is practically in substance that of Mr. G. C. Davis, but the first group has been entirely rearranged and partly changed so as to show the relation more clearly as well as to simplify the arrangement and incorporate the new species.

One male was caught while it was flying about some weeds



Euceros vierecki Hertzog.

mostly *Ambrosia trifida* L. A number of Braconids and Ichneumon-flies were in its company. This seems to indicate that the species no doubt is a beneficial parasitic insect. Of European species it may be noted that *E. crassicornis* Grav., is parasitic on *Cidaria barberaria* and *Thecla quercus* and *E. superbus* Kriechb., is parasitic on *Callimorpha dominula*.

It gives me great pleasure to dedicate the species to Mr. H. L. Viereck of the Bureau of Entomology, Washington, D. C., who has given me much encouragement in the study of Hymenopterous insects. The illustration is due to the kindness of Mr. W. R. Walton, Harrisburg, Pa.